

Mid-Contract Constructability Review Recommendations

The Project Engineer/Supervisor will have tabulated all change orders to date, identifying the causes, effects and accountability in each category.

The Project Engineer/Supervisor should invite the Area Engineer, Project Manager, Designer (Engineer of Record) and any others who are part of the review.

Construction Management will evaluate the change order history, while Project Management will evaluate scope and budget.



CONSTRUCTABILITY REVIEW (MID-CONTRACT)

Contractor: _____ Date: _____
PE/S: _____ Project Manager: _____
Area Engineer: _____ Consultant: _____
District: _____ Route: _____
County/City/Town _____ Contract No.: _____
Work Type: _____

Evaluation of Project Constructability Quality

101 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – CONTRACT RELATED				
Change Orders: Number _____ Amount _____				
Evaluation Criteria	Yes	More Information Needed	No	N/A
1. Cross referencing between various contract documents consistent?				
2. Special provisions omitted?				
3. Special provisions reflect work to be performed?				
4. Special provisions include measurement and basis of payment?				
5. Billed materials tables accurate?				
6. Plans reflect field conditions?				
102 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – DESIGN RELATED				
Change Orders: Number _____ Amount _____				
1. Are bidders restricted in their bids, or has a degree of flexibility included in the bidding documents?				
2. Information sufficient to avoid major field changes?				
3. Billed materials tables accurate?				
4. Plans reflect field conditions?				
5. Current utility location on plans?				
6. Design adequate for averting delays/congestion?				

Evaluation Criteria	Yes	More Information Needed	No	N/A
103 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – ENVIRONMENTAL RELATED				
Change Orders: Number _____ Amount _____				
1. Presence of asbestos, hazardous waste or toxic materials?				
104 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – MATERIALS RELATED				
Change Orders: Number _____ Amount _____				
2. Any special (unique/proprietary) materials, methods or technologies required for contract?				
105 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – PERMITS RELATED				
Change Orders: Number _____ Amount _____				
1. Permits been identified and sufficient time allowed to secure?				
2. Regulatory permit restrictions?				
106 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – QUANTITY RELATED				
Change Orders: Number _____ Amount _____				
1. Earthwork cross section accurately shown?				
2. Earthwork summary in the plans?				
3. Pay items consistent with specifications?				
4. Pay items consistent with special provisions?				
5. Quantities reliable and verifiable?				
6. Cross referencing between various contract documents consistent?				
7. Are control points included and accurate to mark the work with existing conditions?				
107 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – R/W RELATED				
Change Orders: Number _____ Amount _____				
1. Sufficient R/W available for all operations?				
2. Sufficient R/W for equipment and material storage?				
3. Access requirements?				
4. Access to work areas?				

Evaluation Criteria	Yes	More Information Needed	No	N/A
108 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – UTILITY RELATED				
Change Orders: Number _____ Amount _____				
1. Utility investigation (verification of plans, schedule, and relocations)?				
109 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – STAGING RELATED				
Change Orders: Number _____ Amount _____				
1. Staging needs met?				
110 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – TRAFFIC CONTROL RELATED				
Change Orders: Number _____ Amount _____				
1. Adequate provisions for access for pedestrians and abutting properties?				
2. Signing and traffic control adequate?				
3. Design adequate for averting delays/congestion?				
4. Is detour necessary for averting delays/congestion?				
111 ERROR AND OMISSIONS – CONTRACT DOCUMENTS – EARTHWORK RELATED				
Change Orders: Number _____ Amount _____				
1. Earthwork cross section accurately shown?				
2. Earthwork summary in the plans?				

Evaluation Criteria		Yes	More Information Needed	No	N/A
301	SCOPE CHANGES – FHWA Change Orders: Number _____ Amount _____				
302	SCOPE CHANGES – CENTRAL OFFICE CONSTRUCTION/TRAFFIC Change Orders: Number _____ Amount _____				
303	SCOPE CHANGES – DISTRICT/SUBDISTRICT Change Orders: Number _____ Amount _____				
304	SCOPE CHANGES – DISTRICT CONSTRUCTION ENGINEER Change Orders: Number _____ Amount _____				
305	SCOPE CHANGES – AREA ENGINEER Change Orders: Number _____ Amount _____				
306	SCOPE CHANGES – PROJECT ENGINEER/SUPERVISOR Change Orders: Number _____ Amount _____				
307	SCOPE CHANGES – TRAFFIC ENGINEER Change Orders: Number _____ Amount _____				
308	SCOPE CHANGES – LOCAL AGENCY REQUEST Change Orders: Number _____ Amount _____				
309	SCOPE CHANGES – PUBLIC/POLITICAL REQUEST Change Orders: Number _____ Amount _____				

Evaluation Criteria		Yes	More Information Needed	No	N/A
401	CHANGED FIELD CONDITIONS – CONSTRUCTION RELATED Change Orders: Number _____ Amount _____				
402	CHANGED FIELD CONDITIONS – ENVIRONMENTAL RELATED Change Orders: Number _____ Amount _____				
403	CHANGED FIELD CONDITIONS – MATERIALS RELATED Change Orders: Number _____ Amount _____				
404	CHANGED FIELD CONDITIONS – R/W RELATED Change Orders: Number _____ Amount _____				
405	CHANGED FIELD CONDITIONS – SOILS RELATED Change Orders: Number _____ Amount _____				
406	CHANGED FIELD CONDITIONS – STAGING RELATED Change Orders: Number _____ Amount _____				
407	CHANGED FIELD CONDITIONS – UTILITIES RELATED Change Orders: Number _____ Amount _____				
500	FAILED MATERIAL Change Orders: Number _____ Amount _____				

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